



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW6205G08031-3G-PO

Job Sheet 186399



Part No: RBW6205G08031-3G-PO

Job Qty: 1 pcs

Part Name: Main Rotor Flanged Bushing Removal Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/15/18

Job Tracking No:

Due Date: ~~3/28/19~~ 04/11/2019

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW6205G08031-3G Rev.2 IPP Rev. A 18.10.25 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs	DP	3/28/19	0.00	0.00	Purchasing - 1		OP APR 11 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	1 pcs		3/28/19	0.00	0.00	Packaging 2 - 1 - B4B		OP APR 11 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		



Container No: S171574



Part: RBW6205G08031 - 3G

Job No: 186399

Serial No/Batch: S171574

Revision: 2

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/11/19

				Packaging 2 - 29 - B4B		
				Packaging 2 - 30 - B4B		
				Packaging 2 - 31 - B4B		
				Packaging 2 - 32 - B4B		
				Packaging 2 - 33 - B4B		
				Packaging 2 - 34 - B4B		
				Packaging 2 - 35 - B4B		
				Packaging 2 - 36 - B4B		
120	QC 6	1 pcs	3/28/19	0.00 0.00	QC 6 - 9	DAS
					QC 6 - 68	APR 11 2019 68
					QC 6 - 61	9-89
130	Packaging 3-1 - Stock - B4B	1 pcs	3/28/19	0.00 0.00	Packaging 3 - 1 - B4B	DAS 28 9-89
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - FG	1 pcs	3/28/19	0.00 0.00	QC 21 - FG - 21	DAS
					QC 21 - FG - 70	APR 11 2019 70
					QC 21 - FG - 53	9-89

Part Op **100** - Issue P/O: 41736 MANUFACTURE RBW6205G08031-3G AS PER DWG Supplier: METEC Certificate of
 Descriptions: conformity is required
110 - (Receive & Inspect for Damage & Mat'l Certs)
120 - (QC6- All purchased or subcontracted products)
130 - (Identify as per dwg & Stock Location: _____)
140 - (QC21- Final Inspection - Work Order Release)

PO DetailsMetec Metal Technology Inc. (*mem001-vc*)

PO No: PO041736

Line No: 1

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBW6205G08031-3GP	Main Rotor Flanged Bushing Removal Tool	1 Ea (1 ea)	100-Purchasing	5171573

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW6205G08031-3GP	1	0	0

Part Specifications

Specifications could not be found.

Plex 4/2/19 8:55 AM Dart.Hadley.Shannon



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW6205G08031-3G-PO
Job Sheet 186399



Part No: RBW6205G08031-3G-PO **Job Qty:** 1 ea

Part Name: Main Rotor Flanged Bushing Removal Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/15/18

Job Tracking No:

Due Date: 2/7/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW6205G08031-3G Rev.2 IPP Rev. A 18.10.25 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs	2/7/19	2/7/19	0.00	0.00	Purchasing		
110	Packaging	1 pcs	2/7/19	2/7/19	0.00	0.00	Packaging2		
120	QC	1 pcs	2/7/19	2/7/19	0.00	0.00	QC6		
130	Packaging	1 pcs	2/7/19	2/7/19	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea	2/7/19	2/7/19	0.00	0.00	QC21		

Part Op 100 - Issue P/O: _____ MANUFACTURE RBW6205G08031-3G AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBW6205G08031-3GP	Main Rotor Flanged Bushing Removal Tool	1 Ea (1 ea)	100-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW6205G08031-3GP	1	0	0

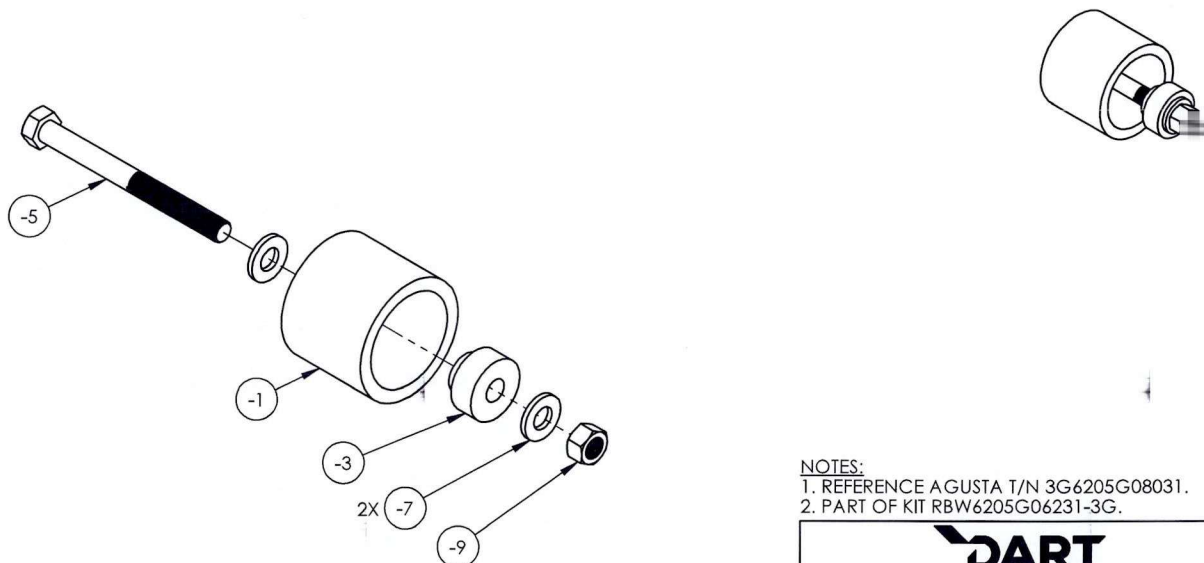
Part Specifications

Specifications could not be found.

Plex 11/15/18 9:44 AM dart.Lussier.Patrick

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		BROKE OUT INTO INDIVIDUAL TOOL FROM RBW6205G06231-3G PER R.W.	4/7/2011	RJC	
1		-1 CH'D DIMENSION WAS Ø.510 ID Ø.51. -3 CORRECTED FINISH WAS CLEAR ANODIZE IS CAD PLATE YELLOW.	6/27/2014	DJN	GE
2	17-0051	-1 & -3 CH'D DIM WAS Ø.51 IS Ø.53. CH'D FINISH WAS CAD PLATE YELLOW QQ-P-416F, TYPE I, CLASS II IS ZINC PLATE ASTM B633 TYPE I SC 2. -3 CH'D MATERIAL WAS 4140 IS 4140/4142. -5 CH'D DIM WAS .75 IS (3X .750). WAS 1/2-20 UNF IS 1/2-20 UNF -2A. CH'D B/O INFO WAS 1/2-20 UNF X 5-1/4. MCMASTER-CARR #91257A492 IS 1/2-20 UNF X 7-1/2 GRD 8 (FASTENAL # 18228) MODIFIED.	2/28/2017	RJC	JAG



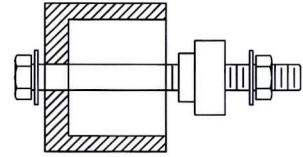
- NOTES:
 1. REFERENCE AGUSTA T/N 3G6205G08031.
 2. PART OF KIT RBW6205G06231-3G.

DART AEROSPACE	
TITLE M/R FLANGED BUSHING REMOVER	
DWG NO. RBW6205G08031-3G	REV 2
MAT'L HEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .006 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 X 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:3	DATE 4/7/2011 SHEET 1 OF 4

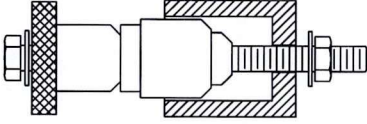
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	REMOVER	6061		2
			-3	1	PRESS	4140/4142		3
			-5	1	BOLT	STEEL, GRD 8	1/2-20 UNF X 7-1/2 (FASTENAL #18228) MODIFIED	4
			-7	2	WASHER	STEEL	Ø1/2 LD. (MCMASTER-CARR #90126A033)	1
		B/O	-9	1	HEX NUT	STEEL, GRD 8	1/2-20 UNF (MCMASTER-CARR #94895A825)	1

This drawing, specifications and contents copyrighted here is an the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
A	BROKE OUT INTO INDIVIDUAL TOOLS & LISTED EACH TOOL IN BOM PER RW.	4/7/11	R/C
1	CHD -7 FOAM CUT OUT FOR RBW6205G08131-3G FOR A BETTER FIT PER S.E.	3/7/12	R/C
			SE



-1



-3

RB RED BARN MACHINE									
TITLE M/R FLANGED BUSHING R&R									
ASSY QTY		BO		PART #		UNIT QTY		DESCRIPTION	
				-1		1		M/R FLANGED BUSHING REM.	
				-3		1		M/R FLANGED BUSHING INST.	
BIO		-5		1				CASE	
BIO		-7		1				BOTTOM FOAM	
BIO		-9		1				LID FOAM	
BIO		-11		1				INSIDE PLACARD	
ASSY QTY									
-9									



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO041736



Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041736
PO Date: 11/15/18
Due Date: 4/12/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Belanger, NatashaPhone:

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186399	RBW6205G08031-3GP			Main Rotor Flanged Bushing Removal Tool REV 2	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$1,012.00/Ea	\$1,012.00
Line Item Note SIOP SUB ASSY OF TOP LEVEL RBW6205G06231-3G (ANNUAL USAGE 3)													
2	186400	RBW6205G08131-3GP			Main Rotor Flanged Bushing Install Tool REV 2	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$1,103.00/Ea	\$1,103.00
Line Item Note SIOP SUB ASSY OF TOP LEVEL RBW6205G06231-3G (ANNUAL USAGE 3)													
3	186401	RBW6205G05951-3GP			RBW6205G05951-3GP REV 2	Received	-	4/2/19	1 pcs	1 pcs	0 pcs	\$410.00/pcs	\$0.00
Line Item Note SIOP (ANNUAL USAGE 3)													
4	186402	RBW6205G00632-3GP			Sling, Main Rotor Blade Lift As per Dwg RBW6205G00632-3G Rev. 6	Firmed	-	4/4/19	1 pcs	0 pcs	1 pcs	\$5,980.00/pcs	\$5,980.00
Line Item Note SIOP (ANNUAL USAGE 5)													
5	186395	RBW6405G08732-3GP			Tail Rotor Bushing Removal Tool RBW6405G08732-3G Rev. E	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$770.00/Ea	\$770.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6405G08632-3G (ANNUAL USAGE 3)													
6	186398	RBW6405G08832-3GP			Tail Rotor Bushing Install Tool As Per Dwg RBW6405G08832-3G Rev/ D	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$796.00/Ea	\$796.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6405G08632-3G (ANNUAL USAGE 3)													

Plex 4/10/19 1:01 PM dart.Lussier.Patrick



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO041736



Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	186417	RBW3205G00151-3GP			Main Landing Gear R&R Wrench REV 2	Received	-	4/2/19	1 pcs	1 pcs	0 pcs	\$400.00/pcs	\$0.00
Line Item Note SIOP (ANNUAL USAGE 2/3)													
8	186420	RBW6205G10451-3GP			Threaded Rod	Firmed X1	-	4/12/19 APR 10 2019	1 Ea	0 Ea DP	1 Ea	\$211.00/Ea	\$211.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
9	186421	RBW6205G10551-3GP			Hammer	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
10	186423	RBW6205G10351-3GP			Guide rev 1	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
11	186425	RBW6205G10251-3GP			Threaded Rod	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
12	186428	RBW6205G10151-3GP			Pusher REV 1	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$299.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
13	186430	RBW6205G10651-3GP			Stop	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$185.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
14	186432	RBW1205G00831-3GP			Upper Deck Platform REV 5	Firmed IX	-	4/12/19 APR 10 2019	1 pcs	0 pcs OP	1 pcs	\$4,200.00/pcs	\$4,200.00
Line Item Note SIOP (ANNUAL USAGE 2)													
15	189050	RBW6205G11532-3GP			Swashplate Support Stand As Per Dwg RBW6205G11532-3G REV 5	Received	-	3/14/19	1 pcs	1 pcs	0 pcs	\$8,811.00/pcs	\$0.00
Line Item Note (ANNUAL USAGE 2/3)													
Grand Total:												\$14,072.00	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041736



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 4/10/19 1:01 PM dart.Lussier.Patrick

**METAL TECHNOLOGY INC.**

20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 22888

Date:

Apr 09, 2019

Page:

1

Sold to:	Ship to:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: 41736R2	Sold By:
Shipped By: pick up	Ship Date: Apr 09, 2019

Description	Bin Loc	Unit	Quantity ordered	Quantity shipped	Quantity on B/O
DART-RBW1205G00831-3GP Upper Deck Platform REVISION 5				1	
DART-RBW6205G10451-3GP Threaded Rod				1	
DART-RBW6205G08131-3GP Man Rotor Flanged Bushing Install Tool REVISION 2				1	
DART-RBW6205G08031-3GP Main Rotor Flanged Bushing Removal Tool REVISION 2				1	
DART-RBW6405G08732-3GP Tail Rotor Bushing Removal Tool REVISION E				1	
DART-RBW6405G08832-3GP Tail Rotor Bushing Install Tool REVISION D				1	
The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.					
Received by _____			Thank you for your order!		



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev.#	P.O. Number	
1 /	DART-RBW1205G00831- 3GP	Upper Deck Platform	5	41736R2	/
1 /	DART-RBW6205G10451- 3GP	Threaded Rod	-	41736R2	/
1 /	DART-RBW6205G08131- 3GP	Man Rotor Flanged Bushing Install Tool	2	41736R2	/
1 /	DART-RBW6205G08031- 3GP	Main Rotor Flanged Bushing Removal Tool	2	41736R2	/
1 /	DART-RBW6405G08732- 3GP	Tail Rotor Bushing Removal Tool	E	41736R2	/
1 /	DART-RBW6405G08832- 3GP	Tail Rotor Bushing Install Tool	D	41736R2	/

MATERIAL: supplied by METEC

We hereby certify that the above parts were made in conformance with applicable drawings.